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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

03/17/2004

OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320 EXAMINER
DUONG, TAI V

PAPER NUMBER

D 00110, 114 1

ART UNIT

DATE MAILED: 03/17/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,981	07/09/2003	Chiyoaki lijima	115905	9249

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/17/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

appropriate. All further cor	respondence including the local celow or directed otherwise	Patent, advance orders	and notification	of maintenance fees	will be mailed to the current s; and/or (b) indicating a sepa	correspondence address as	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
25944 7590 03/17/2004 OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320				have its own certificate of mailing or transmission. Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			
						(Depositor's name)	
						(Signature)	
				 		(Date)	
APPLICATION NO.	FILING DATE	FIRS	T NAMED INVEN	ГOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/614,981	07/09/2003		Chiyoaki lijima		115905	9249	
	IQUID CRYSTAL DISPLA						
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330		\$300	\$1630	06/17/2004	
EXAM	IINER	ART UNIT	CL	ASS-SUBCLASS			
DUONO	G, TAI V	2871		349-114000	_		
Address form PTO/SB/12 "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND	on (or "Fee Address" Indicator more recent) attached. Use RESIDENCE DATA TO B an assignee is identified beld to the USPTO or is being s	Correspondence file file file file file file file fil	gents OR, alternarm (having as a gent) and the naittorneys or agent vill be printed. PATENT (print ovill appear on the e cover. Complet		e of a single I attorney or stered patent ed, no name 3 assignee data is only appropris T a substitute for filing an assi	ate when an assignment has	
Please check the appropriate 4a. The following fee(s) are I Issue Fee Publication Fee Advance Order - # of		4b. Pay	yment of Fee(s): A check in the ame	ount of the fee(s) is encard. Form PTO-203			
Director for Patents is reques	sted to apply the Issue Fee ar	Dep	osit Account Nur	nber	issue fee to the application ide	opy of this form).	
(Authorized Signature)		(Date)					
other than the applicant; interest as shown by the re-	d Publication Fee (if require a registered attorney or age cords of the United States Pa	ent; or the assignee or tent and Trademark Off	other party in fice.				
completed application for case. Any comments on suggestions for reducing the Patent and Trademark (22313-1450, DO NOT S SEND TO: Commissioner	tion is required by 37 CFR by the public which is to five 1 so governed by 35 U.S.C. I tes to complete, including agent to the USPTO. Time will the amount of time your his burden, should be sent to office, U.S. Department of END FEES OR COMPLE For Patents, Alexandria, Virguntation of the complete of 1995, no pulses it displays a valid OMI	ariering, preparing, and il vary depending upon require to complete the tothe Chief Information of Commerce, Alexan TED FORMS TO TH ginia 22313-1450.	n submitting the name of the individual is form and/or on Officer, U.S. ndria, Virginia IIS ADDRESS.				



United States Patent and Trademark Office

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. 10/614,981	_	07/09/2003	Chiyoaki lijima	115905 9249	
25944	7590	03/17/2004		EXAMINER	
OLIFF & BERRIDGE, PLC P.O. BOX 19928		PLC		DUONG, TAI V	
ALEXANDRIA		20		ART UNIT	PAPER NUMBER
				2871	
				DATE MAILED: 03/17/200-	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
•	10/614,981	IIJIMA, CHIYOAKI	
Notice of Allowability	Examiner	Art Unit	
	Tai Duong	2871	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in t 5) or other appropriate commun RIGHTS. This application is sul	nis application. If not included ication will be mailed in due cours	se. THIS
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-5</u> .			
3. \boxtimes The drawings filed on <u>09 July 2003</u> are accepted by the	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be substituted in INFORMAL PATENT APPLICATION (PTO-152) which get including changes required by the Notice of Draftsport (a) including changes required by the Notice of Draftsport (b) including changes required by the attached Examined Paper No./Mail Date Identifying indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such in the DEPOSIT OF and/or INFORMATION about the department of the priority documents and priority documents. 7. DEPOSIT OF and/or INFORMATION about the department of the priority documents and priority documents are comment regarding REQUIREMENT. 	ave been received. ave been received in Application documents have been received in E" of this communication to file a NMENT of this application. comitted. Note the attached EXAM gives reason(s) why the oath or compact be submitted. erson's Patent Drawing Review (er's Amendment / Comment or in the header according to 37 CFR posit of BIOLOGICAL MATER)	No In this national stage application for this national stage application for the required stage application for reply complying with the required stage application for the required stage application for the Office action of the drawings in the front (not the back 1.121(d). RIAL must be submitted. Note	ments CE OF
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SI Paper No./Mail Date 07/09/03) 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	B) 6. Interview Sur Paper No./M B/08), 7. Examiner's A	lail Date mendment/Comment tatement of Reasons for Allowan	

Application/Control Number: 10/614,981

Art Unit: 2871

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

None of the prior art discloses or suggests a transflective LCD device comprising a) a lower reflective polarizing layer disposed below the LC layer; b) a lower polarizing layer disposed below the lower reflective polarizing layer; c) an illumination device disposed on the outer surface side of the lower substrate; d) a transmissive polarization axis of the lower polarizing layer being substantially orthogonal to a transmissive polarization axis of the lower reflecting polarizing layer; e) a degree of polarization of the lower polarizing layer being greater than a degree of polarization of the lower reflective polarizing layer.

Kawakami (US 2003/0218701) discloses a transflective LCD device having the features *a*, *b* and *c*, but is silent about the features *d* and *e*.

Miyazaki (US 2002/0085146) discloses a transflective LCD device having the features a, b and c, and the transmissive polarization axis of the lower polarizing layer not being substantially orthogonal to a transmissive polarization axis of the lower reflecting polarizing layer. Also, Miyazaki is silent about the feature e.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2871

Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

TVD

03/04

TOANTON
PRIMARY EXAMINER